ABSTRACT

A two-plane type crankshaft is provided. The weight of crank webs for the respective cylinders is divided between left and right half webs and balance ratios k_L and k_R of the half webs for the respective cylinders are set so as to be $(k_L\,-\,0.25)\cdot(0.25\,-\,k_R)\,\cong\,D_R\,/\,D_L$ to form a track of a vector of a primary inertial couple into a substantial circle. A primary balancer offsets the primary inertia couple.